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A LIST OF BIRDS SEEN IN DICKINSON COUNTY, KANSAS,
FROM AUGUST, 1898, TO AUGUST, 1900.

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Read before the Academy December 28, 1900.

During my two years' residence in Dickinson county my opportunities for field observations were limited, and they were consequently casual and far from systematic. They were confined principally to the eastern part of the county, in the vicinity of Chapman. This place has an elevation of 1053 feet above sea-level and is in the flood plain of the Smoky Hill river. The native timber is confined to a fringe on the banks of the river itself and along the streams which flow into it. Orchards and plantations are numerous.

The limestone formation of the hills bordering the river valley shows a tendency here and there to give way to the sandstone of the Solomon valley. At intervals there are sand-hills partly covered by a dense growth of the sand-plum, *Prunus watsoni* (Sarg.)

The avifauna of this part of the county shows no striking changes from that found at Manhattan. The birds are decidedly those of the eastern part of the state, with fewer of the woodland species. The Arkansas Kingbird, *Tyrannus verticalis* (Say), of which a single pair were seen, was the only bird observed of which I have no Manhattan record. The list which follows is far from a complete one, and is offered only as a contribution toward a better knowledge of the distribution of our Kansas birds in the state. One hundred and thirty-three species are recorded, of which seventy-six are summer resident and probably breed in the county.

1. 4. *Colymbus nigricollis californicus* (Heerm.) American Eared Grebe. A specimen seen in the hands of a boy, who had shot it on a pond.

2. 6. *Podilymbus podiceps* (Linn.) Pied-billed Grebe. Probably breeds; a few seen.

3. 54. *Larus delawarensis* (Ord.) Ring-billed Gull. Migratory; seen along the Smoky Hill river.

4. 69. *Sterna forsteri* (Nutt.) Forster's Tern. Migratory; seen flying along the river.

5. 77. *Hydrochelidon nigra surinamensis* (Gmel.) Black Tern. Migratory.

6. 125. *Pelecanus erythrorhynchus* (Gmel.) American White Pelican. Migratory; common.

7. 132. *Anas boschas* (Linn.) Mallard. Seen in migration only.

8. 137. *Mareca americana* (Gmel.) Baldpate. Seen on Chapman creek.

9. 139. *Nettion carolinensis* (Gmel.) Green-winged Teal. A common migrant.

10. 140. *Querquedula discors* (Linn.) Blue-winged Teal. A common migrant.

11. 143. *Dafila acuta* (Linn.) Pintail. Migratory; one of the few species that can be distinguished when flying, although distant from the observer.

12. 146. *Aythya americana* (Eyt.) Red-head. Migratory.

13. 150. *Aythya collaris* (Donov.) Ring-necked Duck. Migratory; seen in the possession of hunters.

14. 169. *Chen hyperborea* (Pall.) Lesser Snow Goose. Seen in migration.
15. 172. *Branta canadensis* (Linn.) Canada Goose. Winter sojourner and migrant. This bird finds abundant winter food on the extensive wheat-fields of the county.
16. 194. *Ardea herodias* (Linn.) Great Blue Heron. Summer resident; seen several times; nests on Chapman creek.
17. 201. *Ardea virescens* (Linn.) Green Heron. Summer resident; rather common.
18. 204. *Grus americana* (Linn.) Whooping Crane. Migratory; seen flying.
19. 206. *Grus mexicana* (Müll.) Sandhill Crane. Migratory; seen several times in flocks, flying.
20. 214. *Porzana carolina* (Linn.) Sora. Migratory; not common, because marshes are scarce.
21. 221. *Fulica americana* (Gmel.) American Coot. Seen only in migration, but probably breeds in the county.
22. 225. *Recurvirostra americana* (Gmel.) American Avocet. Reported from the county, but not seen. Migratory.
23. 239. *Tringa maculata* (Vieill.) Pectoral Sandpiper. Migratory. Only once seen, but is probably common in suitable places.
24. 240. *Tringa fuscicollis* (Vieill.) White-rumped Sandpiper. Migratory; a few seen.
25. 241. *Tringa bairdii* (Coues). Baird's Sandpiper. Migratory.
26. 242. *Tringa minutilla* (Vieill.) Least Sandpiper. Migratory; fairly common.
27. 254. *Totanus melanoleucus* (Gmel.) Greater Yellow-legs. Migratory; seen but once.
28. 255. *Totanus flavipes* (Gmel.) Yellow-legs. Migratory; a few seen.
29. 261. *Bartramia longicauda* (Bechst.) Bartramian Sandpiper. Summer resident; common.
30. 263. *Actitis macularia* (Linn.) Spotted sandpiper. Summer resident; fairly common.
31. 272. *Charadrius dominicus* (Müll.) American Golden Plover. Migratory; a single specimen seen.
32. 273. *Ægialitis vocifera* (Linn.) Killdeer. A summer resident; common.
33. 289. *Colinus virginianus* (Linn.) Bob-white. Resident; common.
34. 305. *Tympanuchus americanus* (Reich.) Prairie Hen. Resident; formerly abundant, but now becoming quite scarce.
35. 316. *Zenaidura macroura* (Linn.) Mourning Dove. Summer resident; abundant; often seen in sheltered places in winter.
36. 325. *Cathartes aura* (Linn.) Turkey Vulture. Summer resident; common.
37. 331. *Circus hudsonius* (Linn.) Marsh Hawk. A common resident. One of our most useful birds, against which nearly every gun is turned in enmity.

38. 332. *Accipiter velox* (Wils.) Sharp-shinned Hawk. Seen several times in migration.

39. 333. *Accipiter cooperi* (Bonap.) Cooper's Hawk. A resident species; not very common.

40. 337. *Buteo borealis* (Gmel.) Red-tailed Hawk. Resident; fairly common.

41. 342. *Buteo swainsoni* (Bonap.) Swainson's Hawk. Not common, but may breed; seen only in fall.

42. 347a. *Archibuteo lagopus sanctijohannus* (Gmel.) American Rough-legged Hawk. Winter sojourner; a few seen.

43. 349. *Aquila chrysaëtus* (Linn.) Golden Eagle. Winter sojourner. Several were captured near Chapman and offered to me for mounting.

44. 352. *Haliaëtus leucocephalus* (Linn.) Bald Eagle. Seen in spring; rare.

45. 360. *Falco sparverius* (Linn.) American Sparrow Hawk. Resident; frequently seen.

46. 365. *Strix pratincola* (Bonap.) American Barn Owl. Resident; not uncommon.

47. 373. *Megascops asio* (Linn.) Screech Owl. Common; resident. Only the gray form seen.

48. 375. *Bubo virginianus* (Gmel.) Great Horned Owl. Resident; common.

49. 378. *Speotyto cunicularia hypogæa* (Bonap.) Burrowing Owl. Summer resident. Observed by the writer in Dickinson county in 1881.

50. 387. *Coccyzus americanus* (Linn.) Yellow-billed Cuckoo. Summer resident; common.

51. 390. *Ceryle alcyon* (Linn.) Belted Kingfisher. Resident; not rare.

52. 393. *Dryobates villosus* (Linn.) Hairy Woodpecker. Resident; not common.

53. 394c. *Dryobates pubescens medianus* (Swains.) Downy Woodpecker. Resident; common.

54. 406. *Melanerpes erythrocephalus* (Linn.) Red-headed Woodpecker. Summer resident; common.

55. 409. *Melanerpes carolinus* (Linn.) Red-bellied Woodpecker. Resident; a few seen.

56. 412. *Colaptes auratus luteus* (Bangs). Flicker. Resident; common.

57. 413. *Colaptes cafer* (Gmel.) Red-shafted Flicker. A winter sojourner; common.

58. 418. *Phalænoptilus nuttalli* (Aud.) Poor-will. A common summer resident. Among all of the birds seen, I found none of the frosted form, *nitidus* (Brewst.)

59. 420. *Chordeiles virginianus* (Gmel.) Night Hawk. Summer resident; common. No specimens of the western form, *C. v. henryi* (Cass.), were observed.

60. 423. *Chætura pelagica* (Linn.) Chimney Swift. Summer resident; abundant.

61. 428. *Trochilus colubris* (Linn.) Ruby-throated Humming-bird. Seen only in migration.
62. 444. *Tyrannus tyrannus* (Linn.) Kingbird. Summer resident; abundant.
63. 447. *Tyrannus verticalis* (Say). Arkansas Kingbird. A pair seen May 5, 1899.
64. 452. *Myiarchus crinitus* (Linn.) Crested Flycatcher. Summer resident; common.
65. 456. *Sayornis phœbe* (Lath.) Phœbe. A summer resident; common.
66. 461. *Contopus virens* (Linn.) Wood Pewee. Summer resident; fairly common.
67. 474a. *Otocoris alpestris leucolæma* (Coues). Pallid Horned Lark. Common in midwinter.
68. 474b. *Otocoris alpestris praticola* (Hensh.) Prairie Horned Lark. Resident; abundant.
69. 477. *Cyanocitta cristata* (Linn.) Blue Jay. Resident; common.
70. 488. *Corvus americanus* (Aud.) American Crow. Resident; abundant.
71. 495. *Molothrus ater* (Bodd.) Cowbird. Summer resident; abundant.
72. 497. *Xanthocephalus xanthocephalus* (Bonap.) Yellow-headed Blackbird. Seen only in migration.
73. 498. *Agelaius phœniceus* (Linn.) Red-winged Blackbird. Summer resident; common.
74. 501b. *Sturnella magna neglecta* (Aud.) Western Meadow-lark. Summer resident; abundant.
75. 506. *Icterus spurius* (Linn.) Orchard Oriole. Summer resident; abundant.
76. 507. *Icterus galbula* (Linn.) Baltimore Oriole. Summer resident; abundant.
77. 510. *Scolecophagus cyanocephalus* (Wagl.) Brewer's Blackbird. Migratory; common.
78. 511b. *Quiscalus quiscula æneus* (Ridgw.) Bronze Grackle. Summer resident; abundant.
79. 521a. *Loxia curvirostra stricklandi* (Ridgw.) Mexican Crossbill. Winter sojourner. Several flocks seen.
80. 529. *Astragalinus tristis* (Linn.) American Goldfinch. Resident; common.
81. 533. *Spinus pinus* (Wils.) Pine Siskin. Winter sojourner; common.
82. 536. *Calcarius lapponicus* (Linn.) Lapland Longspur. A winter sojourner; common.
83. 542a. *Ammodramus sandwichensis savanna* (Wils.) Savanna Sparrow. A common migrant.
84. 546. *Ammodramus savannarum passerinus* (Wils.) Grasshopper Sparrow. Summer resident; common.

85. 552. *Chondestes grammacus* (Say). Lark Sparrow. Summer resident; abundant.

86. 553. *Zonotrichia querula* (Nutt.) Harris's Sparrow. An abundant winter sojourner.

87. 554. *Zonotrichia leucophrys* (Forst.) White-crowned Sparrow. Seen once in migration.

88. 554a. *Zonotrichia leucophrys intermedia* (Ridgw.) Intermediate Sparrow. Migratory; common.

89. 559. *Spizella monticola* (Gmel.) Tree Sparrow. An abundant winter sojourner.

90. 560. *Spizella socialis* (Wils.) Chipping Sparrow. Summer resident; not common.

91. 561. *Spizella pallida* (Swains.) Clay-colored Sparrow. Migratory; abundant.

92. 563. *Spizella pusilla* (Wils.) Field Sparrow. Summer resident; heard several times.

93. 567. *Junco hyemalis* (Linn.) Slate-colored Junco. Winter sojourner. rather common.

94. 567a. *Junco hyemalis oregonus* (Townsend.) Oregon Junco. Winter sojourner; common.

95. 581. *Melospiza fasciata* (Gmel.) Song Sparrow. Winter sojourner; common.

96. 583. *Melospiza lincolni* (Aud.) Lincoln's Sparrow. Migratory; common.

97. 585. *Passerella iliaca* (Merr.) Fox Sparrow. Seen in early spring; not common.

98. 587. *Pipilo erythrophthalmus* (Linn.) Towhee. Summer resident; common.

99. 588. *Pipilo maculatus arcticus* (Swains.) Arctic Towhee. Migratory; common.

100. 593. *Cardinalis cardinalis* (Linn.) Cardinal. Resident; abundant.

101. 597. *Guiraca caerulea* (Linn.) Blue Grosbeak. Summer resident; common.

102. 598. *Cyanospiza cyanea* (Linn.) Indigo Bunting. Summer resident; common.

103. 604. *Spiza americana* (Gmel.) Dickcissel. Summer resident; abundant.

104. 610. *Piranga erythromelas* (Vieill.) Scarlet Tanager. Summer resident; common.

105. 611. *Progne subis* (Linn.) Purple Martin. Summer resident; common.

106. 613. *Hirundo erythrogaster* (Bodd.) Barn Swallow. Summer resident; common.

107. 616. *Clivicola riparia* (Linn.) Bank Swallow. Summer resident; common.

108. 617. *Stelgidopteryx serripennis* (Aud.) Rough-winged Swallow. Summer resident; not common.

109. 619. *Ampelis cedrorum* (Vieill.) Cedar Waxwing. Migratory; common.

110. 621. *Lanius borealis* (Vieill.) Northern Shrike. Winter sojourner; common.

111. 622a. *Lanius ludovicianus excubitorides* (Swains.) White-rumped Shrike. Summer resident; common.

112. 624. *Vireo olivaceus* (Linn.) Red-eyed Vireo. Summer resident. A few heard.

113. 627. *Vireo gilvus* (Vieill.) Warbling Vireo. Summer resident; common.

114. 633. *Vireo bellii* (Aud.) Bell's Vireo. Summer resident; common.

115. 652. *Dendroica æstiva* (Gmel.) Yellow Warbler. Summer resident; common.

116. 655. *Dendroica coronata* (Linn.) Myrtle Warbler. Migratory; not very common.

117. 676. *Seiurus motacilla* (Vieill.) Louisiana Water-thrush. Summer resident; not common.

118. 681a. *Geothlypis trichas occidentalis* (Brewst.) Western Yellow-throat. Summer resident; rare.

119. 683. *Icteria virens* (Linn.) Yellow-breasted Chat. Summer resident; common.

120. 703. *Mimus polyglottos* (Linn.) Mocking-bird. Summer resident; common.

121. 704. *Galeoscoptes carolinensis* (Linn.) Catbird. Summer resident; common.

122. 705. *Harporhynchus rufus* (Linn.) Brown Thrasher. Summer resident; abundant.

123. 719b. *Thryomanes bewickii leucogaster* (Salv. and Godw.) Baird's Wren. Summer resident; several heard.

124. 721b. *Troglodytes ædon aztecus* (Baird). Western House Wren. Summer resident; common.

125. 726. *Certhia familiaris fusca* (Barton). Brown Creeper. Winter sojourner; only a few seen.

126. 727. *Sitta carolinensis* (Lath.) White-breasted Nuthatch. Resident; common.

127. 731. *Parus bicolor* (Linn.) Tufted Titmouse. Resident; not common.

128. 735. *Parus atricapillus* (Linn.) Chickadee. Resident; common.

129. 735a. *Parus atricapillus septentrionalis* (Harris). Long-tailed Chickadee. Resident; more common than the preceding form.

130. 749. *Regulus calendula* (Linn.) Ruby-crowned Kinglet. Migratory; not rare.

131. 755. *Hylocichla mustelina* (Gmel.) Wood Thrush. Summer resident; abundant.

132. 761. *Merula migratoria* (Linn.) American Robin. Resident; common.

133. 766. *Sialia sialis* (Linn.) Bluebird. Resident; not very common.